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* * * * * * * * *   Welcome to STN International   * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule - N. America
 NEWS 2 JUL 28 CA/CAplus patent coverage enhanced
 NEWS 3 JUL 28 EPFULL enhanced with additional legal status
                  information from the epoline Register
 NEWS 4 JUL 28 IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
 NEWS 5 JUL 28 STN Viewer performance improved
 NEWS 6 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
 NEWS 7 AUG 13 CA/CAplus enhanced with printed Chemical Abstracts
                  page images from 1967-1998
 NEWS 8 AUG 15 CAOLD to be discontinued on December 31, 2008
 NEWS 9 AUG 15 CAplus currency for Korean patents enhanced
 NEWS 10 AUG 27 CAS definition of basic patents expanded to ensure
                  comprehensive access to substance and sequence
                  information
 NEWS 11 SEP 18 Support for STN Express, Versions 6.01 and earlier,
                  to be discontinued
 NEWS 12 SEP 25 CA/CAplus current-awareness alert options enhanced
                  to accommodate supplemental CAS indexing of
                  exemplified prophetic substances
 NEWS 13 SEP 26 WPIDS, WPINDEX, and WPIX coverage of Chinese and
                  and Korean patents enhanced
 NEWS 14 SEP 29 IFICLS enhanced with new super search field
 NEWS 15 SEP 29 EMBASE and EMBAL enhanced with new search and
                  display fields
 NEWS 16 SEP 30 CAS patent coverage enhanced to include exemplified
                  prophetic substances identified in new Japanese-
                  language patents
 NEWS 17 OCT 07 EPFULL enhanced with full implementation of EPC2000
 NEWS 18 OCT 07 Multiple databases enhanced for more flexible patent
                  number searching
 NEWS 19 OCT 22 Current-awareness alert (SDI) setup and editing
                  enhanced
 NEWS 20 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                  Applications
 NEWS 21 OCT 24 CHEMLIST enhanced with intermediate list of
                  pre-registered REACH substances

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS   STN Operating Hours Plus Help Desk Availability

```
 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:17:12 ON 09 NOV 2008

=> FIL REG
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY      SESSION
FULL ESTIMATED COST                                     0.21        0.21

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STRUCTURE FILE UPDATES:    7 NOV 2008  HIGHEST RN 1071660-21-3
DICTIONARY FILE UPDATES:   7 NOV 2008  HIGHEST RN 1071660-21-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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  conducting SmartSELECT searches.

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predicted properties as well as tags indicating availability of
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10588564\formula IV.str
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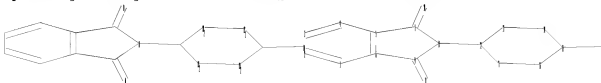
```
chain nodes :
10  11  18
ring nodes :
1  2  3  4  5  6  7  8  9  12  13  14  15  16  17
chain bonds :
7-10  8-12  9-11  15-18
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  12-13  12-17  13-14  14-15  15-16
 16-17
exact/norm bonds :
5-7  6-9  7-8  7-10  8-9  8-12  9-11  12-13  12-17  13-14  14-15  15-16  15-18
16-17
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
11:CLASS  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  18:CLASS
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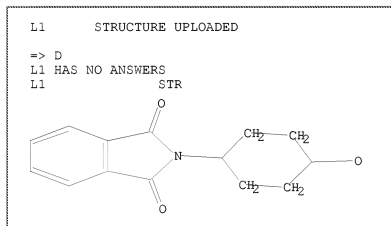
L1   STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1   STR

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\STNEXP\Queries\10588564\formula VIII.str
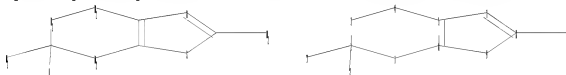

```
chain nodes :
10  11  12
ring nodes :
1  2  3  4  5  6  7  8  9
chain bonds :
2-11  2-12  8-10
```

```
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9
exact/norm bonds :
1-2   1-6   2-3   2-11  3-4   4-5   5-6   5-7   6-9   7-8   8-9   8-10
exact bonds :
2-12


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:CLASS
11:CLASS  12:CLASS
```



```
L2        STRUCTURE UPLOADED

=> D
L2 HAS NO ANSWERS
L2              STR
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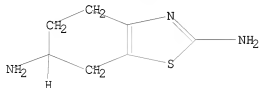
Structure attributes must be viewed using STN Express query preparation.

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Uploading C:\Program Files\STNEXP\Queries\10588564\formula III.str
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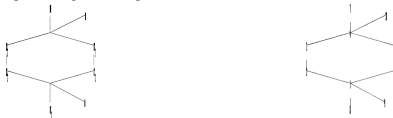


```
chain nodes :
7   8   9   10
ring nodes :
1   2   3   4   5   6
chain bonds :
1-8   1-9   4-7   4-10
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6
exact/norm bonds :
1-2   1-6   1-8   2-3   3-4   4-5   4-7   5-6
exact bonds :
1-9   4-10
```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS

L3   STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3   STR
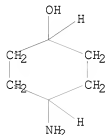
Structure attributes must be viewed using STN Express query preparation.

```
=> s l2 full
FULL SEARCH INITIATED 10:18:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   17757 TO ITERATE

100.0% PROCESSED   17757 ITERATIONS                    12 ANSWERS
SEARCH TIME: 00.00.01

L4        12 SEA SSS FUL L2

=> S L1 FULL
FULL SEARCH INITIATED 10:18:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   46582 TO ITERATE

100.0% PROCESSED   46582 ITERATIONS                    97 ANSWERS
SEARCH TIME: 00.00.01

L5        97 SEA SSS FUL L1
```
=> S L3 FULL
FULL SEARCH INITIATED 10:19:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1787238 TO ITERATE

 56.0% PROCESSED 1000000 ITERATIONS   3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
                        BATCH   **INCOMPLETE**

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=> D HIS

     (FILE 'HOME' ENTERED AT 10:17:12 ON 09 NOV 2008)

     FILE 'REGISTRY' ENTERED AT 10:17:30 ON 09 NOV 2008
L1              STRUCTURE UPLOADED
L2              STRUCTURE UPLOADED
L3              STRUCTURE UPLOADED
L4          12 S L2 FULL
L5          97 S L1 FULL
L6           3 S L3 FULL

=> FIL CAPLUS
COST IN U.S. DOLLARS                         SINCE FILE       TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                              536.00      536.21

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FILE COVERS 1907 - 9 Nov 2008  VOL 149 ISS 20
FILE LAST UPDATED: 7 Nov 2008  (20081107/ED)

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=> S L4
L7          33 L4

=> S L5
L8          49 L5

=> S L7 AND L8
L9           4 L7 AND L8

=> D IBIB ABS HITSTR TOT
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L9   ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:448534 CAPLUS
DOCUMENT NUMBER: 149:426880
TITLE: Process for preparation of pramipexole and
                      intermediates thereof
INVENTOR(S):   Patel, Dharmeshkumar Arvindbhai; Kumar, Rajiv;
                      Dwivedi, Shriprakash Bhar
PATENT ASSIGNEE(S):   Cadila Healthcare Limited, India
SOURCE: PCT Int. Appl., 38pp.
                      CODEN: PIXXDQ
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC NUM COUNT: 1
PATENT INFORMATION:

   PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
   ----------------   ----   ---------- --------------------   ----------
   WO 2008041162   A1   20080612   WO 2007-IN17   20070111
      W: AL, AO, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BW, BY, BZ, CA, CH,
         CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
         GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
         KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
         MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
         RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
         TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
      RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
         IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
         CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
         GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
         KG, KZ, MD, RU, TJ, TM
      IN 2006MU01631   A   20080718   IN 2006-MU1631   20080103
PRIORITY APPLN. INFO.:   IN 2006-MU1631   A 20080103

OTHER SOURCE(S):   CASREACT 149:426880
AB   The present invention pertains to a process for the preparation of
     [S]-2,6-diamino-4,5,6,7-tetrahydrobenzothiazole, which is an intermediate
     compound in the synthesis of pramipexole,
     [S]-2-amino-6-propylamino-4,5,6,7-tetrahydrobenzothiazole, and
     pharmaceutically acceptable salts or solvates thereof. For example,
     4-aminocyclohexanol was reacted with phthalic anhydride to obtain
     4-(phthalimido)cyclohexanol, which was oxidized to
     4-(phthalimido)cyclohexanone. 4-(Phthalimido)cyclohexanone was treated
     with bromine, then thiourea, and further with aqueous monomethylamine to
give
     racemic 2,6-diamino-4,5,6,7-tetrahydrobenzothiazole. The racemic
     intermediate was resolved with L-(+)-tartaric acid for the resolution of
     (S)-2,6-diamino-4,5,6,7-tetrahydrobenzothiazole, which was then reacted
     with Pr bromide to afford pramipexole, and optionally transferred to
     pramipexole dihydrochloride monohydrate.
IT   873431-90-2
     RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT
         (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
         (Reactant or reagent)
         (preparation of pramipexole and intermediates thereof)
RN   873431-90-2 CAPLUS

L9   ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)

RN   106092-09-3 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

REFERENCE COUNT: 6   THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L9   ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)-,
     (2R,3R)-2,3-dihydroxybutanedioate (1:1) (CA INDEX NAME)

   CM   1

   CRN 106092-09-5
   CMF C7 H11 N3 S

Absolute stereochemistry. Rotation (-).

   CM   2

   CRN 87-69-4
   CMF C4 H6 O6

Absolute stereochemistry.

IT   104617-49-4P 104618-31-7P 106092-09-5P
     RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
         preparation); PREP (Preparation); RACT (Reactant or reagent)
         (preparation of pramipexole and intermediates thereof)
RN   104617-49-4 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)

RN   104618-31-7 CAPLUS
CN   1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- (CA INDEX NAME)

L9   ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:71559 CAPLUS
DOCUMENT NUMBER: 144:128965
TITLE: Improved process for the preparation of biologically
                      active tetrahydrobenzothiazole derivative
INVENTOR(S):   Mistry, Dhiren H.; Soni, Kamlesh S.; Vasoya, Sanjay
                      L.; Kansal, Vinod Kumar
PATENT ASSIGNEE(S):   Alembic Limited, India
SOURCE: PCT Int. Appl., 71 pp.
                      CODEN: PIXXDQ
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACM NUM. COUNT: 1   ┌──────────────────────────┐
PATENT INFORMATION: │   INSTANT APPLICATION   │
                                       └──────────────────────────┘

   PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
   ----------------   ----   ---------- --------------------   ----------
   WO 2006036377   A1   20060413   WO 2005-IN127   20050425
      W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
         CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
         GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
         LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
         NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
         SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
         ZM, ZW
      RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
         IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
         CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM,
         KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG,
         KZ, MD, RU, TJ, TM
   IN 2004MU00706   A   20060616   IN 2004-MU706   20040701
   CA 2553311   A1   20060413   CA 2005-2553311   20050425
   EP 1761512   A1   20070314   EP 2005-778547   20050425
      R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
         IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
         HR, LV, MK, YU
   US 2007012357?   A1   20070531   US 2006-588564   20060904
PRIORITY APPLN. INFO.:   IN 2004-MU706   A 20040701
                                           WO 2005-IN127   W 20050425

OTHER SOURCE(S):   CASREACT 144:128965
GI

AB   A process for an improved preparation of Pramipexole (I) is described.
The
     process begins with 4-aminocyclohexanol which is protected with a
     phthalimido group then subjected to oxidation, bromination,
     cyclocondensation

L9   ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)
with thiourea, deprotected, reazole, with tartaric acid, and finally
reductive alkylation with propionaldehyde.
IT   871451-00-3P
      RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT
      (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
      (process for preparation of Pramipexole via oxidation of
phthalimido-protected
      4-aminocyclohexanol followed by bromination, cyclocondensation with
      thiourea, deprotection, and reductive alkylation with propionaldehyde)
RN   871451-94-2 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)-,
      (2R,3R)-2,3-dihydroxybutanedioate (1:1) [CA INDEX NAME]

      CM   1

      CRN 106292-09-5
      CMF C7 H11 N3 S

Absolute stereochemistry. Rotation (-).

      CM   2

      CRN 67-49-4
      CMF C4 H6 O6

Absolute stereochemistry.

IT   99337-90-1P 104617-49-4P 106092-09-5P
      RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
      preparation); PREP (Preparation); RACT (Reactant or reagent)
      (process for preparation of Pramipexole via oxidation of
phthalimido-protected
      4-aminocyclohexanol followed by bromination, cyclocondensation with
      thiourea, deprotection, and reductive alkylation with propionaldehyde)
RN   99337-90-1 CAPLUS
CN   1H-Isoindole-1,3(2H)-dione, 2-(trans-4-hydroxycyclohexyl)- [CA INDEX
      NAME]

L9   ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1987:5015 CAPLUS
DOCUMENT NUMBER: 106:5015
ORIGINAL REFERENCE NO.: 106:943a,946a
TITLE: Tetrahydrobenzothiazoles and their use as
neurological
                    drugs
INVENTOR(S):   Griss, Gerhart; Schneider, Claus; Hurnaus, Rudolf;
                    Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf;
                    Mierau, Joachim; Binzen, Dieter; Schingnitz, Guenter
PATENT ASSIGNEE(S): Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 57 pp.
                    CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
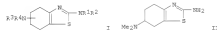FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 186087	A1	19860702	EP 1985-116016	19851216
EP 186087	A1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DE 3447075	A1	19860703	DE 1984-3447075	19841222
DE 3508947	A1	19860918	DE 1985-3508947	19850313
AT 45735	T	19890915	AT 1985-116016	19851216
PRIORITY APPLN. INFO.:			DE 1984-3447075	A	19841222
			DE 1985-3508947	A	19850313
			EP 1985-116016	A	19851216

OTHER SOURCE(S):   CASREACT 106:5015; MARPAT 106:5015
GI

AB   Tetrahydrobenzothiazoles [R1 = H, C1-6 alkyl, C3-6 alkenyl, C3-6
      alkynyl, C1-6 alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl; R2 =
      H, C1-4 alkyl; R3 = H, C1-7 alkyl, C3-7 cycloalkyl, C3-6 alkenyl, C3-6
      alkynyl, C1-7 alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl; R4 =
      H, C1-4 alkyl, C3-6 alkenyl, C3-6 alkynyl; NR3R4 = pyrrolidino,
      piperidino, hexamethyleneimino, morpholino], their enantiomers and salts,
      were prepared for the treatment of central nervous diseases and/or
      circulation problems. Thus, 4-(dimethylaminocyclohexanone was brominated
      and cyclocondensed with NH2CSNH2 to give
      2-amino-6-dimethylamino-4,5,6,7-tetrahydrobenzothiazole (II). II
      inhibited dopamine turnover and parkinsonian syndrome in animal studies.
      A tablet was formulated containing II 5.0, lactose 33.5, corn starch
10.0,
      gelatine 2.0, and Mg stearate 0.5 mg.
IT   104618-31-7P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

L9   ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)
Relative stereochemistry.

RN   104617-49-4 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- [CA INDEX NAME]

RN   106092-09-5 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)- [CA INDEX NAME]

Absolute stereochemistry. Rotation (-).

REFERENCE COUNT: 3   THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L9   ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)
      (Reactant or reagent)
      (pregn. and oxidn. of)
RN   104618-31-7 CAPLUS
CN   1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- [CA INDEX NAME]

IT   104617-49-4P 104617-49-4P 104617-55-2P
      RL: SPN (Synthetic preparation); PREP (Preparation)
      (preparation of, as central nervous agent)
RN   104617-48-3 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrochloride (1:2) [CA
      INDEX NAME]

      •2 HCl

RN   104617-49-4 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- [CA INDEX NAME]

RN   104617-55-2 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrobromide (1:2) [CA
      INDEX NAME]

      •2 HBr

L9   ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN   (Continued)

L9   ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1986:553056 CAPLUS
DOCUMENT NUMBER: 105:153056
ORIGINAL REFERENCE NO.: 105:24669a,24672a
TITLE: Tetrahydrobenzothiazolediamines
INVENTOR(S):   Griss, Gerhart; Schneider, Claus; Hurnaus, Rudolf,
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DE 3447075	A1	19860703	DE 1984-3447075	19841222
EP 186087	A1	19860702	EP 1985-116016	19851216
EP 186087	B1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 65735	T	19890915	AT 1985-116016	19851216
DK 8505902	A	19860623	DK 1985-5902	19851218
DK 168862	B1	19940627		
US 4731374	A	19880315	US 1985-810947	19851219
FI 8505102	A	19860623	FI 1985-5102	19851220
FI 81707	B	19900831		
FI 81707	C	19901210		
NO 8505195	A	19860623	NO 1985-5195	19851220
NO 165070	B	19900910		
NO 165070	C	19901219		
JP 63155377	A	19860715	JP 1985-287601	19851220
JP 05072997	A	19931013		
AU 5551544	A	19860717	AU 1985-51544	19851220
AU 583074	A2	19890511		
HU 39736	A2	19861029	HU 1985-4935	19851220
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DD 242230	A5	19870121	DD 1985-284921	19851220
ZA 8509731	A	19870826	ZA 1985-9731	19851220
CA 1263653	A1	19891205	CA 1985-498237	19851220
IL 77415	A	19900319	IL 1985-77415	19851220
US 4843066	A	19890627	US 1987-124197	19871123
US 4886812	A	19891212	US 1988-256671	19881012
PRIORITY APPLN. INFO.:			DE 1984-3447075	A 19841222
			DE 1985-3508947	A 19850313
			EP 1985-116016	A 19851216
			US 1985-810947	A2 19851219
			US 1987-124197	A3 19871123

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                 I   II

AB   The title compds. (I; R1 = H, alkyl, alkenyl, alkynyl, alkanoyl,
     phenylalkyl, phenylalkanoyl; R2 = H, alkyl; R3 = H, alkyl, cycloalkyl,
     alkenyl, alkynyl, alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl;
     R4 = H, alkyl, alkenyl, alkynyl; R3R4N = pyrrolidino, piperidino,
     hexamethylenimino, morpholino) were prepared as cardiovascular and
central
     nervous system agents. Thus, 4-(dimethylamino)cyclohexanone was
     brominated with aqueous HBr in HOAc and the product cyclohexanone was
     thiourea to give, after acidification, 20% benzothiazolediamine II.2HCl
     (III). In mlow III reduced exploratory activity with an ED50 of 2.7
mg/kg
     s.c. Dragees were prepared each containing III 5.0, lactose 33.5,
cornstarch
     10.0, gelatin 1.0, and Mg stearate 0.5 mg.
IT   104618-31-7P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
         (Reactant or reagent)
         (preparation and oxidation of)
RN   104618-31-7 CAPLUS
CN   1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- (CA INDEX NAME)

IT   104617-48-3P 104617-49-4P 104617-55-2P
     RL: BAC (Biological activity or effector, except adverse); BSU
(Biological
     study, unclassified); BPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
     (preparation of, as drug)
RN   104617-48-3 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrochloride (1:2) (CA
     INDEX NAME)

     ● 2 HCl

RN   104617-49-4 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)

RN   104617-55-2 CAPLUS
CN   2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrobromide (1:2) (CA
     INDEX NAME)

     ● 2 HBr